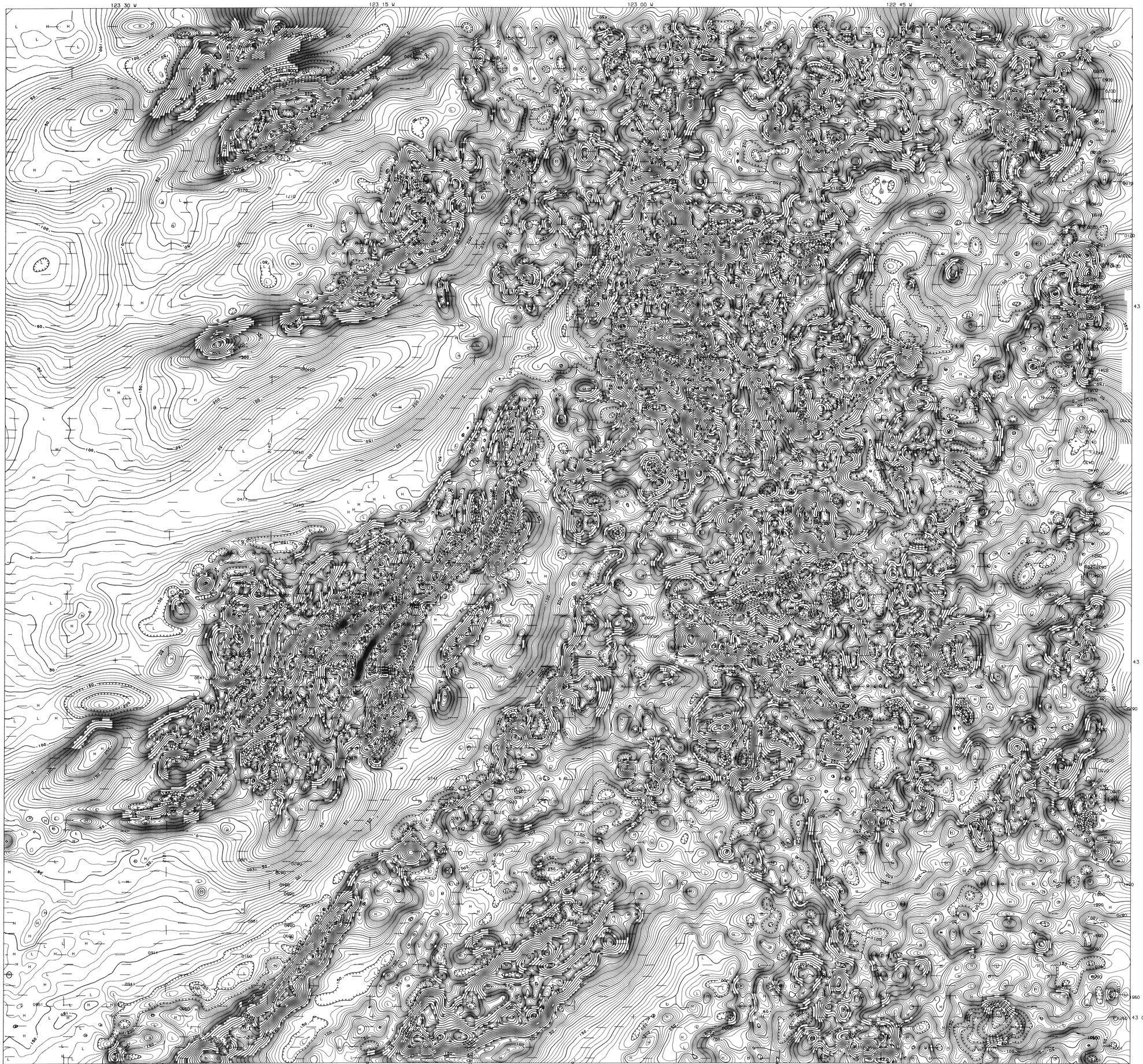
123 30 W | 123 15 W | 123 00 W | 122 45 W

43 30 N

43 15 N

43 00 N



AEROMAGNETIC MAP OF THE ROSEBURG AREA ON PARTS OF THE ROSEBURG, COOS BAY, MEDFORD, AND CAPE BLANCO 1° BY 2° QUADRANGLES, OREGON

SHEET 2

BY
U. S. GEOLOGICAL SURVEY
1996

EXPLANATION

Square: Grid North
Star: True North
Arrow: Magnetic North

FLIGHT PATH

Navigation and flight path recovery were conducted using a Global Positioning System (GPS) satellite navigation system.

Traverse lines were flown at an azimuth of E-W with an average line spacing of 805 m, (2640 ft.).

Lines have an average aircraft terrain clearance of 305 m (1000 ft). Terrain clearance was monitored by radar and barometric altimeters.

Flight line identification numbers (up-side-down) are shown along east edge of map area (Sheet 1 and 2). Tie line identification numbers are shown along the south edge of the map area (both Sheet 1 and 2).

Measured at the center of the survey
Inclination 65.7°
Declination 17.8°

TOTAL FIELD MAGNETIC DATA

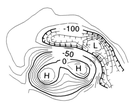
Total field magnetic intensity data were measured by a cesium vapour magnetometer.

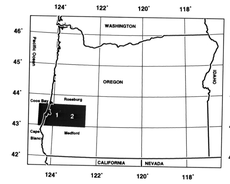
Data have been corrected for diurnal variations using a magnetic base station and tie lines.

Residual magnetic data shown by contours represent corrected total field magnetic intensity minus the International Geomagnetic Reference Field (IGRF).

Gridding interval is 200 m X 200 m.

Map contour interval is 10 nanoTeslas (nT).





SURVEY LOCATION

SCALE 1:100 000

2.5 0 1 2 5 10 km

Projection: UTM Clarke 1866 spheroid
Central meridian: 123° West
Survey flown: July, 1996

Flown and compiled by Pearson, deRidder, and Johnson
Lakewood, CO